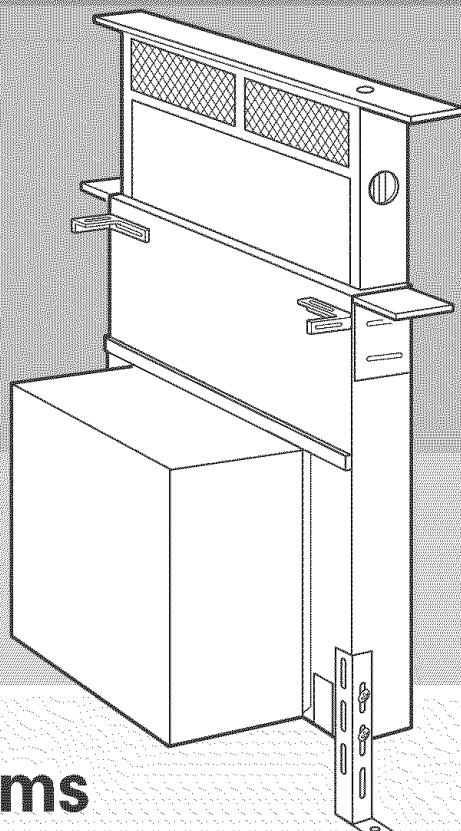


# Installation Instructions and Use and Care Guide

30" (76.2 cm)  
36" (91.4 cm)

## Retractable (Pop-up) Downdraft Vent Systems



**IMPORTANT:**  
Read and save  
these instructions.

**IMPORTANT:**

**Installer:** Leave Installation Instructions with the homeowner.

**Homeowner:** Keep Installation Instructions for future reference.

**Save** Installation Instructions for local electrical inspector's use.

## Quick Reference

### Table of Contents:

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2	Before you start
3	Electrical requirements
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4	Cabinet dimensions
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12	Use and Care Information
13	Accessories

## Before you start...

### Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING". These words mean:

### **DANGER**

You can be killed or seriously injured if you don't immediately follow instructions.

### **WARNING**

You can be killed or seriously injured if you don't follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

### Important: Observe all governing codes and ordinances.

Proper installation is your responsibility. Make sure you have everything necessary for correct installation. It is the responsibility of the installer to comply with the installation clearances specified on the model/serial rating plate. The model/serial rating plate is located on the front of the downdraft vent above the wiring box cover.

#### Mobile home installation

The installation of this range hood must conform to the Manufactured Home Construction Safety Standards, Title 24 CFR, Part 328 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD, Part 280) or when such standard is not applicable, the Standard for Manufactured Home Installation 1982 (Manufactured Home Sites, Communities and Setups) ANSI A225.1/NFPA 501A\*, or latest edition, or with local codes.

**Check location** where downdraft vent will be installed. The location should be away from strong draft areas, such as windows, doors and strong heating vents or fans. Before making countertop cutout, check that downdraft vent and cooktop location will clear cabinet walls, backsplash, and rear wall studs inside cabinet.

### ALL OPENINGS IN THE WALL OR FLOOR WHERE RETRACTABLE DOWNDRAFT VENT IS TO BE INSTALLED MUST BE SEALED.

Electrical ground is required. See "Electrical requirements," page 3.

When installing downdraft vent, the cabinet drawer will need to be removed and the drawer front installed permanently to cabinet.

**Note:** Downdraft vent is installed directly behind the cooktop. Install downdraft vent first.

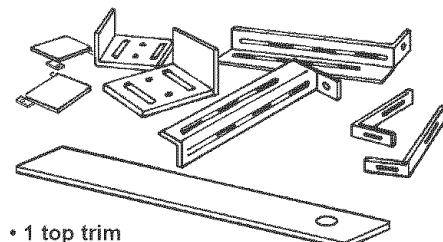
**Cabinet construction:** Downdraft vent is designed for use in a cabinet with a depth of 24" (61 cm). Some installations require a countertop deeper than 25" (63.5 cm). See chart on page 5. The maximum depth of the overhead cabinet is 13" (33 cm). Overhead cabinets installed at either side of the downdraft vent must be 18" (45.7 cm) above the cooking surface.

#### See cooktop Installation

Instructions before making any cutouts and for the minimum distance between the front edge of the countertop and front edge of cooktop. The minimum horizontal distance between the overhead cabinets is the same as the width of the installed downdraft vent.

When installing a 36" (91.4 cm) retractable downdraft vent with "Create-A-Cooktop" modules, the optional support must be installed on the front of the downdraft vent. See installation steps for details.

## Parts supplied for installation:



- 1 top trim
- 2 end caps
- 2 lower support legs
- 2 overcounter support brackets
- 2 undercounter mounting brackets
- 1 bag of fasteners
- 1 metal cover
- 1 backdraft damper
- literature package
- optional support and two screws (36" (91.4 cm) models only)

## Parts needed for installation:

- 2 U.L.- or C.S.A.-listed 1/2" (12.7 mm) conduit connectors (3 are required if the exterior-mounted vent motor is used.)
- 1 wall cap for interior-mounted motor
- vent system
- power supply cable
- wiring cable for optional remote blower kit.

## Tools needed for installation:

- safety glasses
- gloves
- jig or keyhole saw
- drill with 1/8" drill bit
- pencil
- measuring tape
- flat-blade screwdriver
- Phillips screwdriver
- 3/8" (9.5 mm) nut driver or ratchet
- level
- pliers
- metal snips
- wire stripper or utility knife
- caulking gun and weatherproof caulk
- duct tape

# Electrical requirements

**Important: Observe all governing codes and ordinances.**

**It is the customer's responsibility:**

- To contact a qualified electrical installer.
- To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition\*, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 - latest edition\*\* and all local codes and ordinances.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

**Do not ground to a gas pipe.**

Check with a qualified electrician if you are not sure downdraft vent is properly grounded.

**Do not have a fuse in the neutral or ground circuit.**

**IMPORTANT:**

**Save Installation instructions for electrical inspector's use.**

**A.** A 120-volt, 60-Hz, AC-only electrical supply is required on a separate 15-ampere circuit, fused on both sides of the line. A time-delay fuse or circuit breaker is recommended. The fuse must be sized per local codes in accordance with the electrical rating of the downdraft vent as specified on the model/serial rating plate located on the front of the downdraft vent above the wiring box cover.

**B.** THE DOWNDRAFT VENT MUST BE CONNECTED WITH COPPER WIRE ONLY.

**C.** Wire sizes and connections must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 — latest edition\*, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 - latest edition\*\* and all local codes and ordinances.

**WARNING — TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:**

Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable Codes and Standards, including fire related construction. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.

Ducted fans must always be vented to the outdoors.

**WARNING — To reduce the risk of fire, use only metal ductwork.**

This unit must be grounded.

**E.** A U.L.- or C.S.A.-listed, 1/2" (12.7 mm) conduit connector must be provided at each end of the power supply cable (at the downdraft vent and at the junction box).

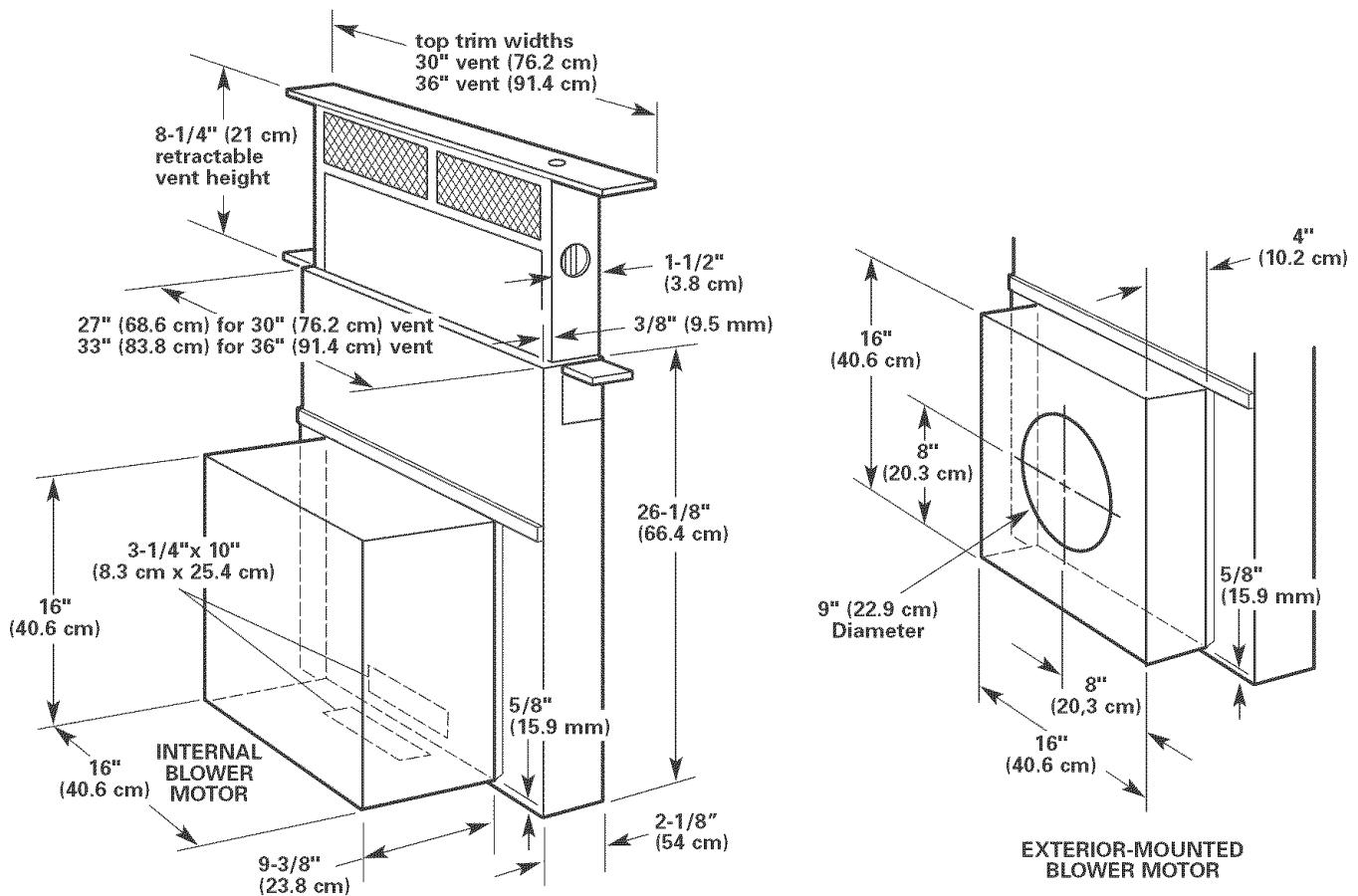
**F.** A wiring diagram is located on the downdraft vent base above the wiring box cover.

\* National Fire Protection Association  
Batterymarch Park  
Quincy, Massachusetts 02269

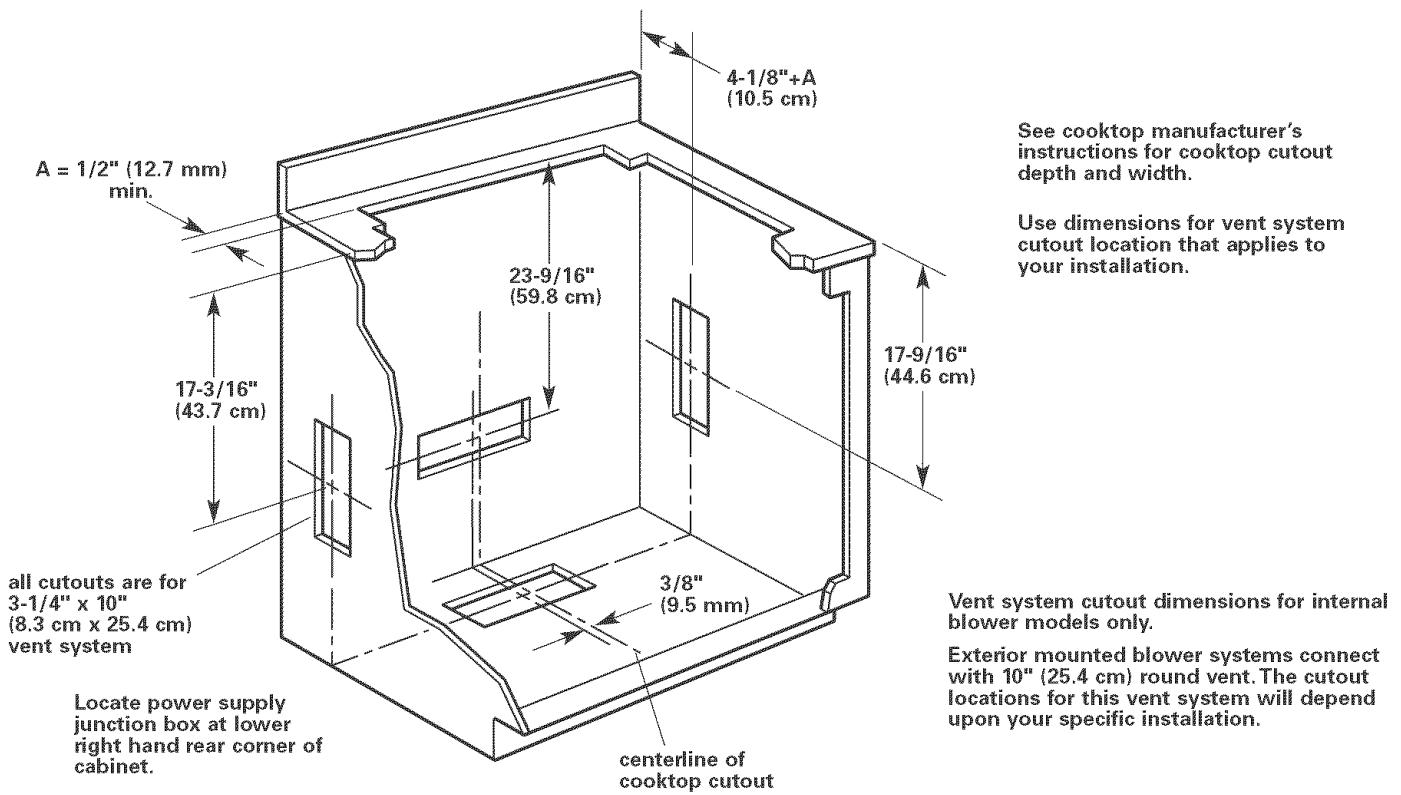
\*\* Canadian Standard Association  
178 Rexdale Boulevard  
Etobicoke (Toronto), Ontario M9W 1R3

**D.** This downdraft vent should be connected directly to the fused disconnect (or circuit breaker) through flexible, armored or non-metallic sheathed, copper cable. Allow some slack in the cable so the downdraft vent can be moved if servicing is ever necessary.

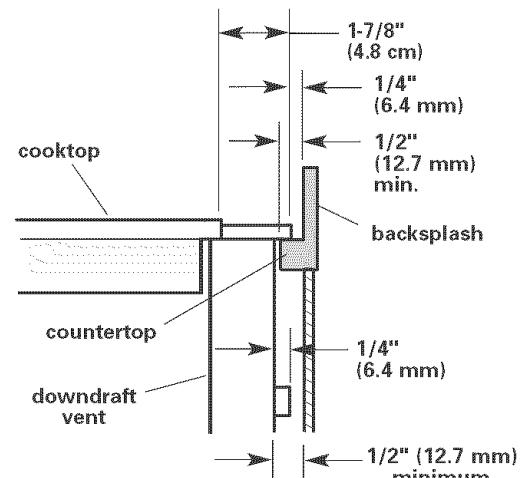
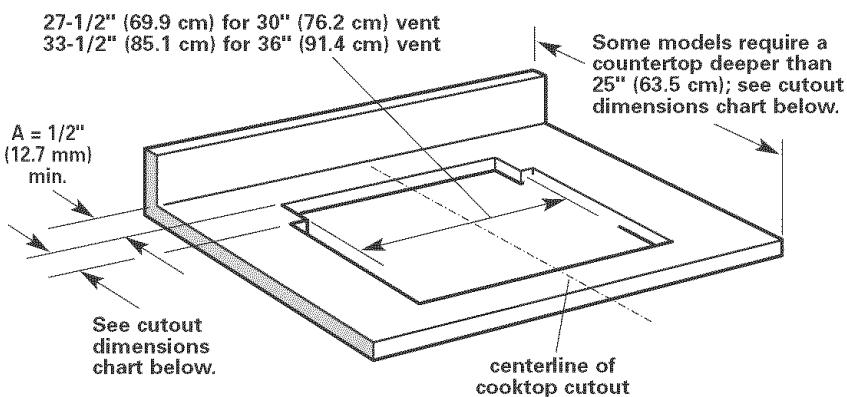
# Product dimensions



# Cabinet dimensions



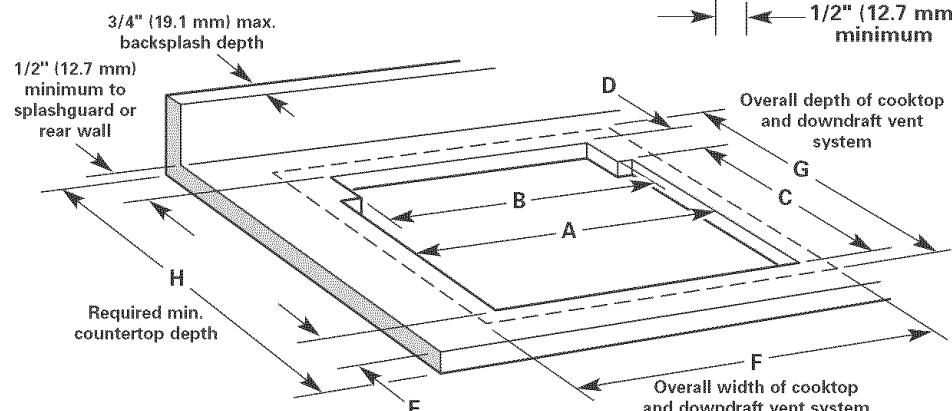
# Countertop cutout dimensions



It is recommended that the cooktop and vent cutouts be drawn on the countertop before making any cutouts to avoid mistakes.

See Cooktop Installation Instructions for complete cutout dimensions, location dimensions and installation details.

**IMPORTANT: Countertops with a bullnosed front edge are not recommended for these installations.**



Cooktop Models	Cooktop Size	Installed with Vent System Models		A	B	C	D	E	F	G	H
KGCT305G KGCS105G	30" (76.2 cm)	KIRD801HSS	KIRD802HSS	29" (73.7 cm)	27-1/2" (69.9 cm)	19-5/8" (49.8 cm)	2-1/8" (5.4 cm)	1-3/4" (4.4 cm)	31-3/8" (79.7 cm)	23" (58.4 cm)	25" (63.5 cm)
KERC501G* KECC502G* KECC507G* KECC508G*	30" (76.2 cm)	KIRD801HSS	KIRD802HSS	29-1/2" (74.9 cm)	27-1/2" (69.9 cm)	20-1/2" (52.1 cm)	2-1/8" (5.4 cm)	2" (5.1 cm)	31-1/2" (80.0 cm)	23-1/4" (59.1 cm)	25-7/8" (65.7 cm)
KECS100G*	30" (76.2 cm)	KIRD801HSS	KIRD802HSS	28-7/8" (73.3 cm)	27-1/2" (69.9 cm)	19" (48.3 cm)	2-1/2" (6.4 cm)	3-3/8" (8.6 cm)	31-1/2" (80.0 cm)	23" (58.4 cm)	25-5/8" (65.1 cm)
SCS3004G SCS3014G, GLT3014G	30" (76.2 cm)	GZ7930XGS	GZ7930XHS	29" (73.7 cm)	27-1/2" (69.9 cm)	19-5/8" (49.8 cm)	2-1/8" (5.4 cm)	1-3/4" (4.4 cm)	31-3/8" (79.7 cm)	23" (58.4 cm)	25" (63.5 cm)
RCC3024G* GJC3034G*	30" (76.2 cm)	GZ7930XGS	GZ7930XHS	29-1/2" (74.9 cm)	27-1/2" (69.9 cm)	20-1/2" (52.1 cm)	2" (5.1 cm)	2" (5.1 cm)	30" (76.2 cm)	23" (58.4 cm)	25-3/4" (65.4 cm)
RCS3004G* RCS3014G* YRCS3014G*	30" (76.2 cm)	GZ7930XGS	GZ7930XHS	28-7/8" (73.3 cm)	27-1/2" (69.9 cm)	19" (48.3 cm)	2-1/2" (6.4 cm)	3" (7.6 cm)	31-1/2" (80.0 cm)	23" (58.4 cm)	25-1/2" (64.8 cm)

KGCT365G	KECT366G	36" (91.4 cm)	KIRD861HSS	KIRD862HSS	35-1/4" (89.5 cm)	33-1/2" (85.9 cm)	19-5/8" (49.8 cm)	2-1/8" (5.4 cm)	1-3/4" (4.4 cm)	37-1/2" (95.3 cm)	23" (58.4 cm)	25" (63.5 cm)
KGCS166G		(91.4 cm)	KIRD861XSS	KIRD862XSS								
KECC562G* KECC567G*	36" (91.4 cm)	KIRD861HSS	KIRD862HSS	35-1/2" (90.2 cm)	33-1/2" (85.9 cm)	20-1/2" (52.1 cm)	2-1/8" (5.4 cm)	2" (5.1 cm)	37-1/2" (95.3 cm)	23-1/4" (59.1 cm)	26-7/8" (68.3 cm)	
KECC568G*			KIRD861XSS	KIRD862XSS								
KECS161G*	36" (91.4 cm)	KIRD861HSS	KIRD862HSS	35" (88.9 cm)	33-1/2" (85.9 cm)	19" (48.3 cm)	2-1/2" (6.4 cm)	3-3/8" (8.6 cm)	37-5/8" (95.6 cm)	23" (58.4 cm)	25-5/8" (65.1 cm)	
SCS3614G		(91.4 cm)	GZ7936XGS	GZ7936XHS	35-1/4" (89.5 cm)	33-1/2" (85.9 cm)	19-5/8" (49.8 cm)	2-1/8" (5.4 cm)	1-3/4" (4.4 cm)	37-1/2" (95.3 cm)	23" (58.4 cm)	25" (63.5 cm)
GLT3614XG		(91.4 cm)	GZ7936XGS	GZ7936XHS	35-1/4" (89.5 cm)	33-1/2" (85.9 cm)	19-5/8" (49.8 cm)	2-1/8" (5.4 cm)	1-3/4" (4.4 cm)	36-5/8" (93.0 cm)	23" (58.4 cm)	25" (63.5 cm)
GJC3634G*		(91.4 cm)	GZ7936XGS	GZ7936XHS	35-1/2" (90.2 cm)	33-1/2" (85.9 cm)	20-1/2" (52.1 cm)	2" (5.1 cm)	2" (5.1 cm)	36" (91.4 cm)	23" (58.4 cm)	25-3/4" (65.4 cm)
RCS3614G*		(91.4 cm)	GZ7936XGS	GZ7936XHS	35" (88.9 cm)	33-1/2" (85.9 cm)	19" (48.3 cm)	2-1/2" (6.4 cm)	3" (7.6 cm)	37-5/8" (95.6 cm)	23" (58.4 cm)	25-5/8" (65.1 cm)

\* Installation with vent system requires countertop and base cabinet deeper than standard 25" (63.5 cm) deep countertop and 24" (61.0 cm) deep base cabinet.

# Vent system requirements

Venting system must terminate to the outside.

Do not terminate the vent system in an attic or other enclosed area.

Do not use 4" (10.2 cm) laundry-type wall caps

Do not use plastic or metal foil vent.

Vent work needed for installation is not supplied.

Wall cap is Not provided with interior-mounted motor.

Determine which venting method to use. Vent system can extend through either the wall or roof.

**The length of vent system** and number of elbows should be kept to a minimum to provide efficient performance.

**The size of the vent** should be uniform.

**Do Not install two elbows together.**

**Use duct tape** to seal all joints in the vent system.

**Use caulking tape** to seal the exterior wall or floor opening around cap.

**Do Not cut joist or stud.** If vent cutout falls over a joist or stud, a supporting frame must be constructed.

**Flexible metal vent is Not recommended.** If it is used, calculate each foot of flexible vent as two feet of rigid metal vent. Flexible elbows count twice as much as standard elbows.

**NOTE:** Make sure there is proper clearance within the wall or floor before making exhaust vent cutouts.

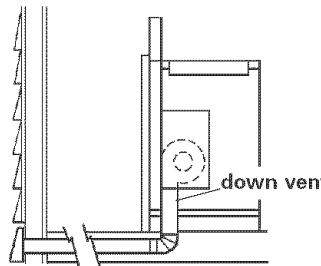
## Recommended vent system length

For either interior-mounted or exterior-mounted blower installations, vent system length should not exceed the maximum lengths listed in the "Maximum length of vent system" chart. (See this page for Interior-mounted vent motor; page 9 for exterior-mounted vent motor.)

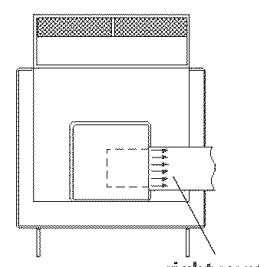
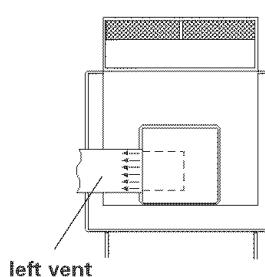
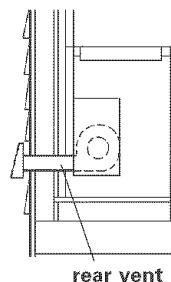
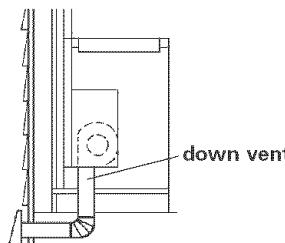
# Interior-mounted vent motor

## Installation requirements

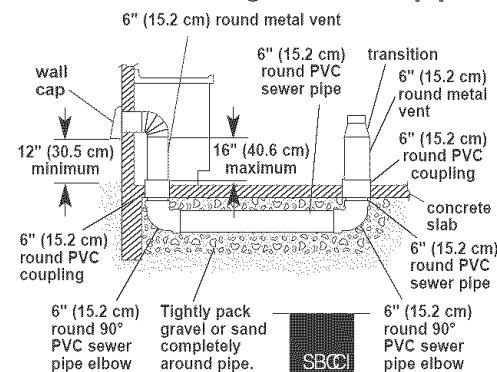
### Island location



### Built-in cabinet locations

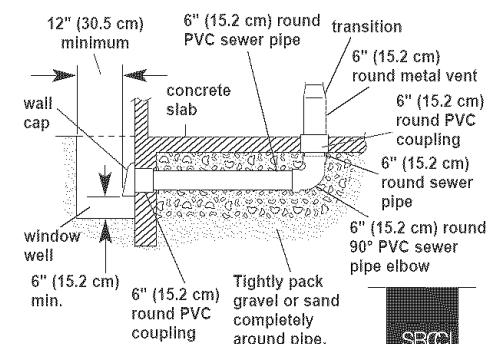


### Vent system installed under a concrete slab using PVC sewer pipe.



### Optional vent system installed under a concrete slab into a window well.

#### Do not vent a gas cooktop into a window well.



Seal the space between the outside of wall cap inlet inside of PVC coupling with caulking metal.

### Maximum length of vent system

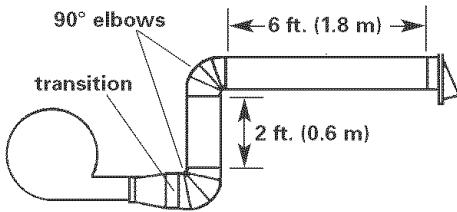
Vent	Length
6" (15.2 cm) round	35 feet (8.9 m)
3-1/4" x 10" (8.3 cm x 25.4 cm)	35 feet (8.9 m)

For best performance, use no more than three 90° elbows. If more than one elbow is used, make sure that there is a minimum of 24" (61 cm) of straight vent between any two elbows. **Do Not install two elbows together.** It is recommended that you use round vent instead of rectangular vent, especially if elbows are required. If rectangular vent is required, it should be transitioned to 6" (15.2 cm) round vent as soon as possible.

### Determining the length of system you need:

To calculate the length of system you need, add the equivalent feet for each vent piece that will be needed. See example for 6" (15.2 cm) round vent system.

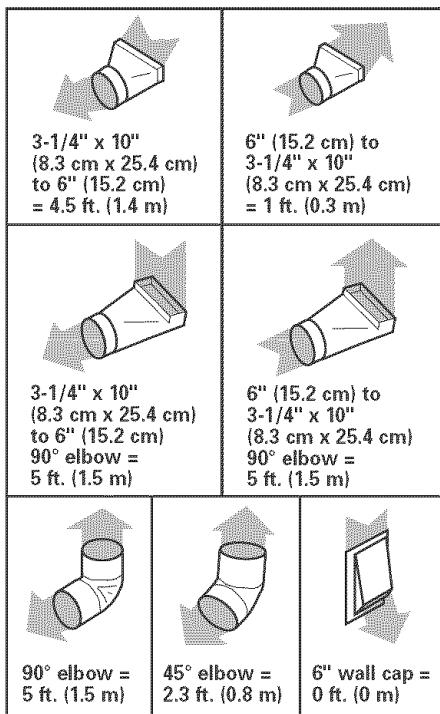
## 6" (15.2 cm) round vent system



Maximum length = 35 ft. (8.9 m)

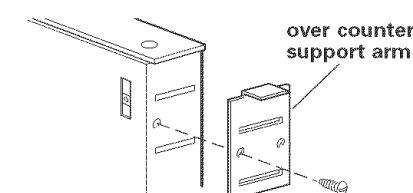
1 - wall cap	= 0 ft. (0 m)
8 ft. (2.4 m) straight	= 8 ft. (2.4 m)
2 - 90° elbows	= 10 ft. (3 m)
Transition	= 4.5 ft. (1.4 m)
Length of 6" (15.2 cm) system	= 22.5 ft. (6.9 m)

## Recommended standard fittings

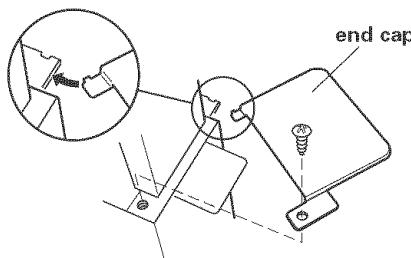


## Installation steps

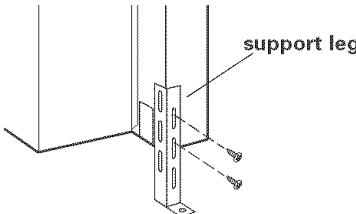
**1.** Put on gloves and safety glasses. Place cardboard or another form of protection on top of a flat surface where you can easily assemble the downdraft vent system. Remove parts packages, downdraft vent and blower box from carton. Remove all shipping materials, tape and protective film from downdraft vent and blower box.



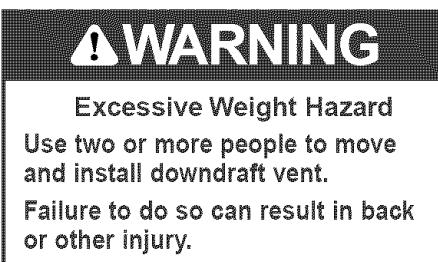
**2.** Attach the left side and right side overcounter support brackets to the downdraft. Use 1 screw with each bracket.



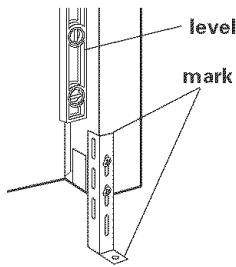
**3.** Attach the left side and right side end caps to the downdraft. Use 1 screw with each end cap.



**4.** Attach support legs to side of downdraft vent with 2 screws in each leg. Do not tighten screws.



**5.** Carefully insert downdraft vent into countertop cutout. Two people are recommended to support the weight of the downdraft vent during lifting. Check that downdraft vent is parallel to side of cutout and that mounting brackets overlap countertop.



**6.** Move support legs down against cabinet floor. Place a level against front of downdraft vent base and adjust until downdraft vent is level vertically. Use a pencil to mark the top of each leg on downdraft vent. Then mark location of support leg mounting holes on cabinet floor. Remove downdraft vent from cutout. Drill starter holes at each mounting screw location on cabinet floor. Align top of legs with pencil marks on face of downdraft vent. Tighten screws in legs.

**7.** Determine which direction (down, rear, left, or right) vent will need to run from blower vent when installed in cabinet.

### Down venting:

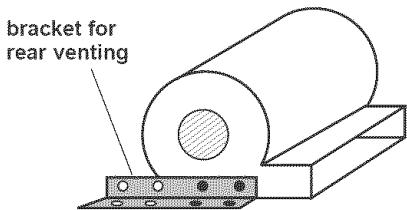
Downdraft vent is shipped with blower in down venting position so no modification is required. Go to Step 8.

### Left or right venting:

- Remove 4 hex nuts that attach blower box to downdraft vent base. Remove blower box.
- Rotate blower box 90° to left or right so that vent blower is repositioned in the direction needed.
- Reattach blower box to downdraft vent base with 4 hex nuts.

### Rear venting:

- Remove 4 hex nuts that attach blower box to downdraft vent base. Remove blower box.
- Note how wiring cable is installed under plastic clips inside vent base. Then carefully remove wiring cable from plastic clips. Disconnect blower wiring cable.
- Remove 6 Phillips-head screws attaching blower to blower box. Remove blower.



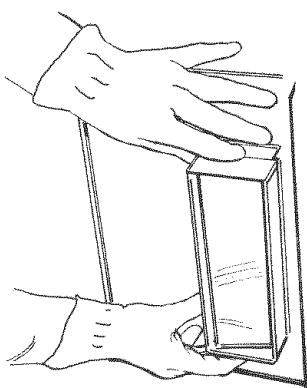
**d.** Remove screws attaching brackets to each side of blower. Reposition brackets on blower as shown. Then reinstall screws.

**e.** Reinstall blower in blower box with mouth of blower pointing out open side of blower box. Secure blower to blower box with 6 Phillips-head screws.

**NOTE:** Square metal frame attached to mouth of blower must be installed for proper operation.

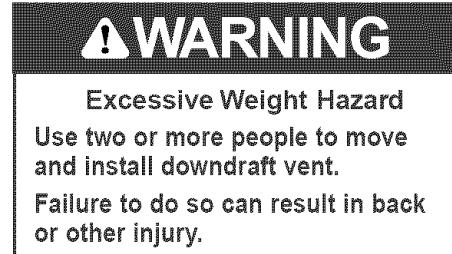
**f.** Attach metal cover from parts bag over down-venting knockout in blower box. Remove rear knockout cover on back of vent base.

**g.** Reconnect blower wiring cable. Secure wiring cable in 2 black plastic clips inside vent base. **The wiring cable must be properly secured in the 2 clips (see step b.)** Reattach blower box to downdraft vent base with 4 hex nuts.

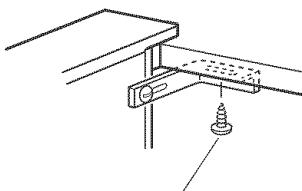


**8.** Attach backdraft damper over blower box knockout with 2 Phillips-head screws.

**9.** Remove the 2 Phillips-head screws attaching the wiring box cover. Determine which direction (rear or down) electrical connection will need to run from appliance wiring box. Knock out rear or lower wiring opening in wiring box.

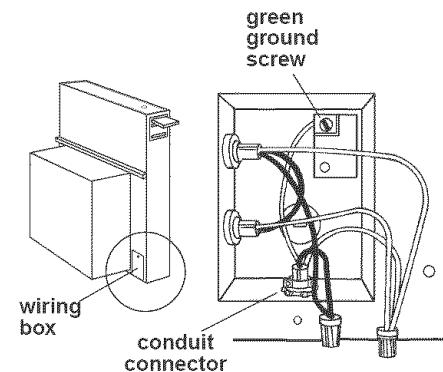


**10.** Insert downdraft vent into countertop cutout. Two people are recommended to support the weight of the downdraft vent during lifting. Position downdraft vent so it is centered in cutout and parallel to edge of cutout. Check that downdraft vent is level vertically. Then fasten lower support legs to cabinet floor with screws.

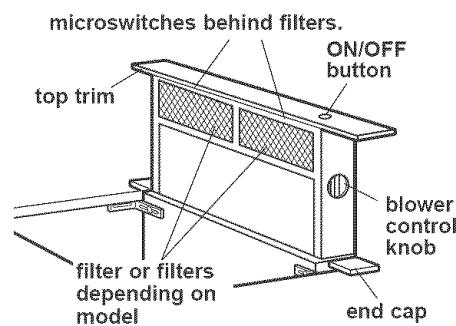


When attaching undercounter bracket to underside of countertop, make sure that the screw length will not go through countertop when tightened.

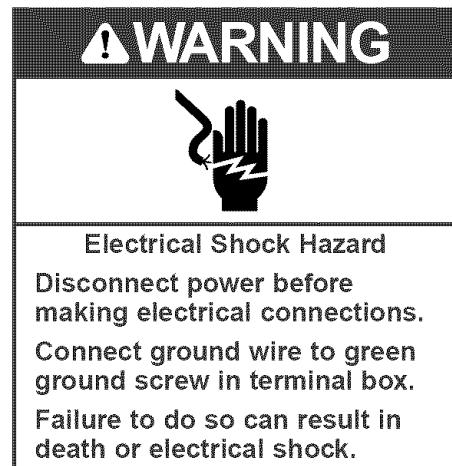
**11.** Attach one undercounter bracket on front upper right corner of downdraft vent with slot over vent mounting hole and flange against countertop. Attach other bracket to left side of downdraft vent. Carefully drill starter holes through undercounter mounting brackets into underside of countertop. Insert appropriate length screws into holes and tighten brackets to countertop.



**12.** Remove required knockout and install conduit connector. Feed the power supply cable through the conduit connector and into the wiring box. Connect the white wires together with a twist-on wire connector. Connect the black wires together with a twist-on wire connector. Attach the green (or green and yellow) ground wire to eyelet with green ground screw. Tighten the conduit connector clamp screws. Reattach the wiring box cover.



**13.** Turn power supply on. Push and hold for a few seconds the button on the top of the downdraft vent. Retractable section of downdraft vent will rise and blower will start. Position the top trim over the retractable section and snap trim into place.



**14.** Turn the control knob on side of vent to check the operation and speed of blower.

If blower does not operate:

- Check that filter or filters are pressed in as far as they will go.
- Check that circuit breaker is not tripped or house fuse blown.
- **Disconnect power source** and check that wire connections have been made correctly.

**15.** Connect vent system to blower. Vent system must end with a wall or roof cap. Use duct tape to seal all joints.

**16.** Install cooktop according to manufacturer's instructions. Check that rear of cooktop overlaps edge of retractable downdraft vent by 3/8" (9.5 mm).

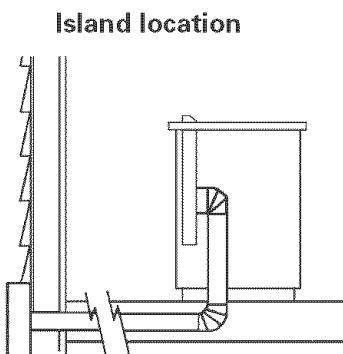
*To get the most efficient use from your new retractable downdraft vent, read the Use and Care Information section on page 12. Keep Installation Instructions and Use and Care Information close by for easy reference.*

## Exterior-mounted vent motor

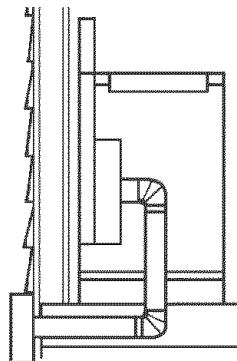
### KIRD and YKIRD MODELS ONLY

**NOTE:** Exterior-mounted vent motor installations require exterior blower system, Part No. KPED892K, available from your dealer or authorized parts supplier.

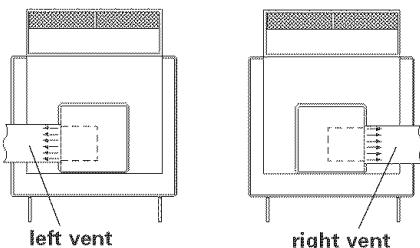
#### Installation requirements



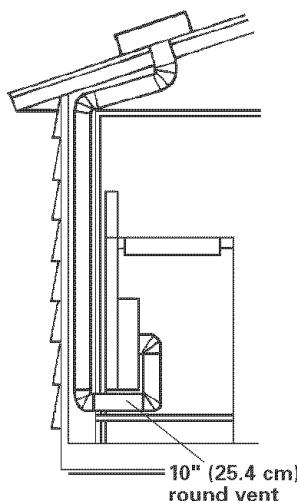
**Built-in cabinet location**



**Built-in cabinet location**



#### Roof venting



#### Maximum length of vent system

Vent	Length
10" (25.4 cm) round	40 ft. (12.2 m)

Vent length is given as a general reference only. For a longer vent run, or smaller vent system, contact a qualified and trained vent installer. Check with local codes for makeup air requirements, if any.

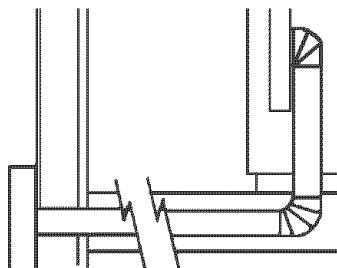
For best performance, use no more than three 90° elbows. If more than one elbow is used, make sure that there is a minimum of 24 inches (61 cm) of straight vent between any two elbows. **Do Not install two elbows together.**

It is recommended that you use round vent instead of rectangular vent, especially if elbows are required. If rectangular vent is required, it should be transitioned to 10" (25.4 cm) round vent as soon as possible.

#### Determining the length of system you need:

To calculate the length of system you need, add the equivalent feet for each duct piece that will be needed. See example for 10" (25.4 cm) round vent system.

#### 10" (25.4 cm) round vent system



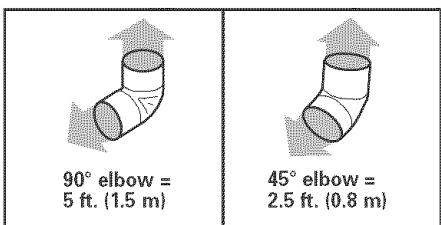
Maximum length = 40 ft. (12.2 m)

2 - 90 elbows = 10 ft. (3 m)  
10 ft. (3 m) straight = 10 ft. (3 m)

Length of 10" (25.4 cm) system = 20 ft. (6.1 m)

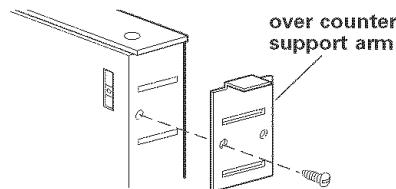
**Note:** The exterior-mounted vent motor requires a separate wiring cable that should be installed at the same time the vent work is installed.

## Recommended standard fittings

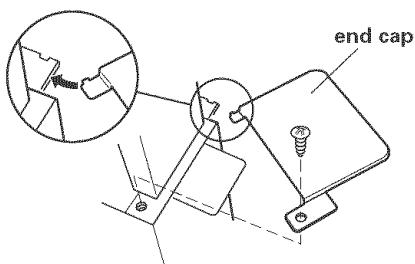


## Installation steps

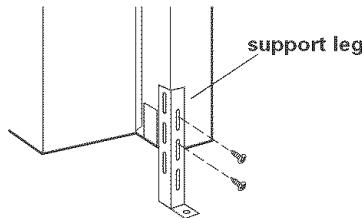
**1.** Put on gloves and safety glasses. Place cardboard or another form of protection on top of a flat surface where you can easily assemble the downdraft vent system. Remove parts packages, downdraft vent and blower box from carton. Remove all shipping materials, tape and protective film from downdraft vent and blower box.



**2.** Attach the left side and right side overcounter support brackets to the downdraft. Use 1 screw with each bracket.



**3.** Attach the left side and right side end caps to the downdraft. Use 1 screw with each end cap.



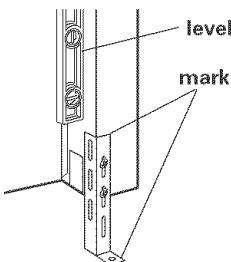
**4.** Attach support legs to side of downdraft vent with two screws in each leg. Do Not tighten screws.

### ! WARNING

**Excessive Weight Hazard**  
Use two or more people to move and install downdraft vent.  
Failure to do so can result in back or other injury.



**5.** Carefully insert downdraft vent into countertop cutout. Two people are recommended to support the weight of the downdraft vent during lifting. Check that downdraft vent is parallel to side of cutout and that mounting brackets rest gently on countertop.



**6.** Move support legs down against cabinet floor. Place a level against front of downdraft vent base and adjust position of legs until downdraft is level vertically. Use a pencil to mark the top of each leg on face of downdraft vent. Then mark location of support leg mounting holes on cabinet floor. Remove downdraft vent from cutout. Drill starter holes at each mounting screw location on

cabinet floor. Align top of legs with pencil marks on face of downdraft vent. Tighten screws in legs.

**7.** Attach 10" (25.4 cm) round vent collar plate (supplied with exterior blower system) to front of downdraft vent using 4 hex washer nuts.

**8.** Remove the 2 Phillips-head screws attaching the wiring box cover and remove cover. Remove either the back or bottom knockout and install conduit connector.

**Power supply cable needed between exterior blower assembly and blower box is not provided.**

**9.** Determine the location where the exterior blower box will be located. Cut opening in roof or wall for vent system to exterior blower. Install exterior blower according to instructions supplied with the blower kit.

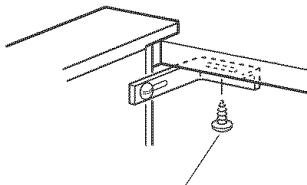
#### Wall Installations

- Use caulking compound between mounting flange and wall.

#### Roof Installations

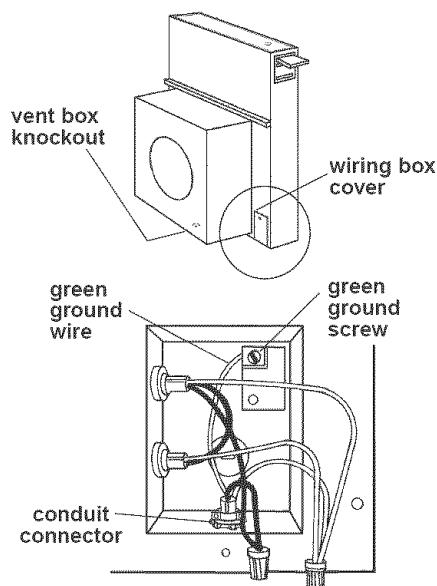
- Follow standard roofing procedures.
- The flashing sheet should be entered over the roof opening.
- Lower edge of flashing should lie on top shingles and upper edge underneath shingles.
- Seal assembly between roof, fan and flashing with roofing mastic to prevent leaks.

**10.** Insert retractable downdraft vent into countertop cutout. Two people are recommended to support the weight of the downdraft vent during lifting. Position downdraft vent so it is centered in cutout and parallel to edge of cutout. Check that downdraft vent is vertical. Then attach lower support legs to cabinet floor with screws.

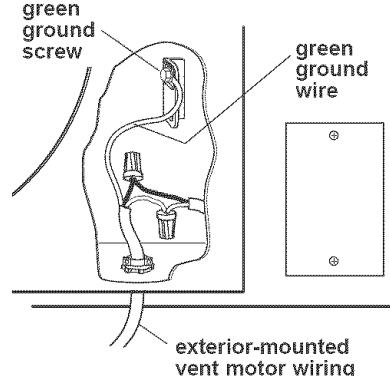


When attaching undercounter bracket to underside of countertop, make sure that the screw length will not go through countertop when tightened.

**11.** Attach one undercounter mounting bracket on front upper right corner of downdraft vent with slot over vent mounting hole and flange against countertop. Attach other bracket to left side of downdraft vent. Carefully drill starter holes through undercounter mounting brackets into underside of countertop. Insert appropriate length screws into holes and tighten brackets to countertop.



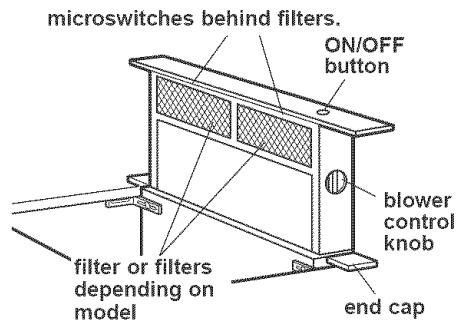
**12.** Feed the power supply cable through the conduit connector and into wiring box. Connect the white wires together with a twist-on wire connector. Connect the black wires together with a twist-on wire connector. Attach the green (or green and yellow) ground wire to eyelet with green ground screw and tighten screw. Replace wiring box cover.



**13.** Remove vent box knockout and install conduit connector. Feed exterior-mounted vent motor wiring through conduit connector. **Do not wire the exterior vent motor black and white wires into the wiring box. Wires must be connected as shown.** Connect the white wires together with a twist-on wire connector. Connect the black wires together with a twist-on connector.

Attach ground wire to eyelet with green ground screw and tighten screw.

Tighten conduit connector clamp screws.



**14.** Turn power supply on. Push and hold for a few seconds the button on the top of the downdraft vent. Retractable section of downdraft vent will rise and blower will start. Position the top trim over the retractable section and snap trim into place.

**15.** Turn the control knob on side of vent to check the operation and speed of blower.

If blower does not operate:

- Check that filter or filters are pressed in as far as they will go.
- Check that circuit breaker is not tripped or house fuse blown.
- **Disconnect power source** and check that wire connections have been made correctly.

**16.** Connect vent to blower. Position vent to avoid wall studs and floor joists. Complete all vent work. Use duct tape to seal all joints. Vertical vent for wall-mounted installations should pitch down slightly toward the vent to allow moisture to run outside.

**17.** Install cooktop according to manufacturer's instructions. Check that rear of cooktop overlaps edge of retractable downdraft vent by 3/8" (9.5 mm).

*To get the most efficient use from your new retractable downdraft vent, read the Use and Care Information section on page 12.*

*Keep Installation Instructions and Use and Care Information close by for easy reference.*

## ! WARNING



### Electrical Shock Hazard

Disconnect power before making electrical connections.

Connect ground wire to green ground screw in terminal box.

Failure to do so can result in death or electrical shock.

# Use and Care Information

The retractable downdraft vent system is designed to remove smoke, cooking vapors and odors from the cooktop area. For the best results, the vent should be operating before cooking is started. If you use large or tall utensils, place them on the large rear element or burner surface. A higher heat setting than normally used may be needed when the downdraft vent is operating.

## WARNING — TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device such as a tag to the service panel.

**CAUTION:** For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

## WARNING — TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

Always turn hood ON when cooking at high heat or when cooking flaming foods.

Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.

Use proper pan size. Always use cookware appropriate for the size of the surface element.

## WARNING — TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:

**SMOTHER FLAMES** with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS.

If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.

**NEVER PICK UP A FLAMING PAN** — You may be burned.

**DO NOT USE WATER**, including wet dishcloths or towels — a violent steam explosion will result. Use an extinguisher **ONLY** if:

You know you have a Class ABC extinguisher, and you already know how to operate it.

The fire is small and contained in the area where it is started.

The fire department is being called.

You can fight the fire with your back to an exit.

This fan is suitable for use with solid-state speed controls.

## Operating downdraft vent

Push and hold for a few seconds the button on top of downdraft vent. This slight delay prevents raising the vent during cleaning. Retractable section of downdraft vent will rise and blower will begin to vent. Turn knob on side of downdraft vent to adjust the setting to the amount of venting you need. The knob has infinite settings. Place cooking utensils on cooking surface and turn cooking unit on. When cooking is complete, turn cooking unit off, remove utensils from cooking surface, and push button on top of retractable downdraft vent. The blower will turn off and the retractable section of the vent will return to the closed position.

If a spill occurs on the cooktop that allows liquids to seep inside the downdraft, you must turn the downdraft off immediately. It is possible to cause damage to the downdraft if water is allowed inside the downdraft while it is operating.

- Immediately turn OFF the downdraft at the speed control located on the right-hand side of the downdraft.
- Turn OFF the power supply to the downdraft at the circuit breaker box or fuse box.
- Allow plenty of time for the downdraft to dry naturally. Do not open the downdraft to remove the water.

## Cleaning

**Surface of downdraft vent:** Clean with soap and water. Do Not use scouring powder or abrasive solutions.

**Filter or filters** (depending on model): Frequently remove and clean the filters in the retractable section of the downdraft vent. This will improve the operating efficiency of the downdraft vent system.

1. Remove the filter(s) and clean them in the dishwasher or in a hot detergent solution.

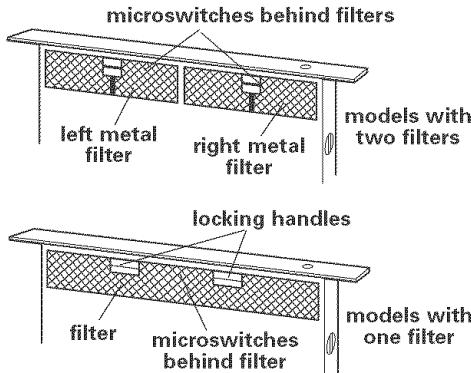
**Do Not use the downdraft vent when the filter(s) is not in place.**

2. Reinstall the clean filter(s), making sure that they are pushed in as far as they will go.

Note: Downdraft vent will not operate if filter(s) is not in proper position. If the handle(s) is not fully locked, the vent may retract but not raise back up.

If retractable downdraft vent does not operate after clean filters have been reinstalled:

Push the filter in as far as it will go. When the filter is removed, the microswitch behind the filter is inactivated. This safety feature stops the blower and raising mechanism until the filter is properly reinstalled.



## Accessories

available from your dealer

Note: Instructions are included with each kit.

For model series  
KIRD & YKIRD 801, 802

**30" (76.2 cm) one-piece trim:**

Part No. 8171304 (white)

Part No. 8171305 (black)

Part No. 8171306 (biscuit)

For model series  
GZ & YGZ 7930

**30" (76.2 cm) one-piece trim:**

Part No. 8171300 (white)

Part No. 8171301 (black)

Part No. 8171370 (biscuit)

For model series  
KIRD & YKIRD 861, 862

**36" (91.4 cm) one-piece trim:**

Part No. 8171310 (white)

Part No. 8171311 (black)

Part No. 8171312 (biscuit)

For model series  
GZ & YGZ 7736

**36" (91.4 cm) one-piece trim:**

Part No. 8171302 (white)

Part No. 8171303 (black)

Part No. 8171371 (biscuit)

## Vent System Warranty

LENGTH OF WARRANTY	WARRANTY WILL PAY FOR
ONE-YEAR FULL WARRANTY From Date of Purchase	Labor and any parts of your vent system (except filters) which are defective in materials or workmanship.
<b>WARRANTY WILL NOT PAY FOR</b>	
<ul style="list-style-type: none"><li>A. Any labor costs incidental to the replacement of defective parts during the warranty period.</li><li>B. Consumable parts such as light bulbs and filters.</li><li>C. Service calls to:<ol style="list-style-type: none"><li>1. Correct the installation of the vent system.</li><li>2. Instruct you how to use the vent system.</li><li>3. Replace house fuses or correct house wiring.</li></ol></li><li>D. Repairs when vent system is used in other than normal, single-family household use.</li><li>E. Pickup and delivery. This product is designed to be repaired in the home.</li><li>F. Damage to vent system caused by accident, misuse, fire, flood, act of God or use of products not approved by Whirlpool.</li><li>G. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.</li><li>H. Replacement parts or repair labor costs for units outside the United States or Canada.</li><li>I. In Canada, travel or transportation expenses for customers who reside in remote areas.</li></ul>	

**WHIRLPOOL, INGLIS LIMITED, KITCHENAID® and KITCHENAID CANADA DO NOT ASSUME ANY RESPONSIBILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion or limitation may not apply to you.

**This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state or province to province.**

**Outside the United States and Canada, a different warranty may apply. For details, please contact your authorized dealer.**

# Requesting Assistance or Service in U.S.A.

Identify the brand of your vent system and, as appropriate, call the KitchenAid Customer Interaction Center toll-free at 1-800-422-1230 or call the Whirlpool Customer Interaction Center toll-free at 1-800-253-1301. Our consultants are available to assist you.



When calling: Please know the purchase date, and the complete model and serial number of your appliance. This information will help us better respond to your request.

## Our consultants provide assistance with:

- Features and specifications on our full line of appliances

- Installation information
- Use and maintenance procedures
- Accessory and repair parts sales
- Specialized customer assistance (Spanish speaking, hearing impaired, limited vision, etc.)
- Referrals to local dealers, service companies, and repair parts distributors

Whirlpool-designated service technicians are trained to fulfill the product warranty and provide after-warranty service, anywhere in the United States.

To locate the designated service company in your area, you can also look in your telephone directory Yellow Pages.

## If you need replacement parts

If you need to order replacement parts, we recommend that you only use factory-authorized parts. These parts will fit right and work right, because they are made to the same exacting specifications used to build every new Whirlpool or KitchenAid appliance.

To locate factory-authorized parts in your area, call our Customer Interaction Center telephone number, your nearest authorized service center, or Factory Service at 1-800-442-1111.

## For further assistance

If you need further assistance, you can write to Whirlpool Corporation or KitchenAid with any questions or tell us about your concerns at:

Customer Interaction Center  
c/o Correspondence Dept.  
2000 North M-63  
Benton Harbor, MI 49022-2692

Please include a daytime phone number in your correspondence.

# Requesting Assistance or Service in Canada

Call toll-free, 8:30 a.m. to 6 p.m. (EST) at 1-800-422-1230. Or contact your nearest Inglis Limited or Kitchenaid Canada Appliance Service branch or designated servicing outlet (see list at right) to service your appliance.



When asking for assistance or service, please provide a detailed description of the problem, your appliance's complete model and serial numbers, and the purchase date. This information will help us respond properly to your request.

### Direct service branches:

BRITISH COLUMBIA		1-800-665-6788
ALBERTA		1-800-661-6291
ONTARIO	Ottawa area	1-800-267-3456
(except 807 area code)	Outside the Ottawa area	1-800-807-6777
MANITOBA, SASKATCHEWAN		1-800-665-1683
and 807 area code in ONTARIO		
QUEBEC	Montreal (except South Shore)	1-800-361-3032
	South Shore Montreal	1-800-361-0950
	Quebec City	1-800-463-1523
	Sherbrooke	1-800-567-6966
ATLANTIC PROVINCES		1-800-565-1598

### For further assistance

If you need further assistance, you can write to Inglis Limited or KitchenAid Canada with any questions or concerns at:

Consumer Relations Department  
1901 Minnesota Court  
Mississauga, Ontario L5N 3A7

Please include a daytime phone number in your correspondence.